

# AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – Reciprocating Internal Combustion Engine

**Permit Number:** \_\_\_\_\_ [Leave blank unless APCD has already assigned a permit # & AIRS ID] **Emission Source AIRS ID:** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
**Facility Equipment ID:** \_\_\_\_\_ [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

## Section 01 – Administrative Information

Company Name: \_\_\_\_\_ NAICS, or  
Source Name: \_\_\_\_\_ SIC Code: \_\_\_\_\_  
Source Location: \_\_\_\_\_ County: \_\_\_\_\_  
Elevation: \_\_\_\_\_ Feet  
Portable Source  
Home Base: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_ ZIP Code: \_\_\_\_\_  
Person To  
Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_ Fax Number: \_\_\_\_\_

## Section 03 – General Information

For existing sources, operation began on: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Normal hours of source operation: \_\_\_\_\_ hours/day \_\_\_\_\_ days/week \_\_\_\_\_ weeks/year

General description of equipment purpose: \_\_\_\_\_

Date the engine was ordered: \_\_\_\_\_ Date engine construction commenced: \_\_\_\_\_

Date the engine was relocated into Colorado: \_\_\_\_\_ Date of any reconstruction/modification: \_\_\_\_\_

Will this equipment be operated in any NAAQS nonattainment area?  
(<http://www.cdphe.state.co.us/ap/attainmaintain.html>) ☐ Yes ☐ No ☐ Don't know

## Section 04 – Engine Information

Engine date of manufacture: \_\_\_\_\_ Engine displacement: \_\_\_\_\_ L/cyl  
Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_ Serial No.: \_\_\_\_\_

Engine function: ☐ Primary and/or peaking power ☐ Emergency back-up power  
☐ Compression ☐ Pump jack ☐ Water pump ☐ Other: \_\_\_\_\_

Manufacturer's maximum rated horsepower @ sea level: \_\_\_\_\_ BHP @ \_\_\_\_\_ RPM  
Manufacturer's maximum site rating: \_\_\_\_\_ BHP @ \_\_\_\_\_ RPM \_\_\_\_\_ kW  
Engine Brake Specific Fuel Consumption @ 100% Load: \_\_\_\_\_ Btu/HP-hr

Cycle Type: ☐ 2-Stroke ☐ 4-Stroke Combustion: ☐ Lean Burn ☐ Rich Burn  
Ignition Source: ☐ Spark ☐ Compression Aspiration: ☐ Natural ☐ Turbocharged

What is the maximum number of hours this engine is used for emergency back-up power? \_\_\_\_\_ Hours/year

## Section 02 – Requested Action (check applicable request boxes)

- ☐ Request for NEW permit or newly reported emission source  
☐ Request for coverage under GENERAL PERMIT number GP02 (Natural Gas Only)  
☐ Request MODIFICATION to existing permit (check each box below that applies)  
☐ Change fuel or equipment ☐ Change company name  
☐ Change permit limit ☐ Transfer of ownership ☐ Other  
☐ Request PORTABLE source permit  
☐ Request APEN update only (check the box below that applies)  
☐ Revision to actual calendar year emissions for emission inventory  
☐ Update 5-Year APEN term without change to permit limits or previously reported emissions  
☐ Notification of AOS permanent replacement

**Addl.  
Info. &  
Notes:** \_\_\_\_\_

For new or reconstructed sources, the projected startup date is: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

### **Colorado Department of Public Health and Environment Air Pollution Control Division (APCD)**

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

**Mail this form along with a check for \$152.90 per APEN and \$1,500 for each general permit registration to:**  
**Colorado Department of Public Health & Environment**  
**APCD-SS-B1**  
**4300 Cherry Creek Drive South**  
**Denver, CO 80246-1530**

For guidance on how to complete this APEN form:

Air Pollution Control Division: (303) 692-3150  
Small Business Assistance Program (SBAP): (303) 692-3148 or  
(303) 692-3175

APEN forms: <http://www.cdphe.state.co.us/ap/downloadforms.html>

Application status: <http://www.cdphe.state.co.us/ap/ss/sspcpt.html>

- ☐ Check box to request copy of draft permit prior to issuance.  
☐ Check box to request copy of draft permit prior to public notice.

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**Permit Number:** \_\_\_\_\_

**Emission Source AIRS ID:** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**Section 05 – Stack Information** (Attach a separate sheet with relevant information in the event of multiple stacks; provide datum & **either** Lat/Long **or** UTM)

Operator Stack ID No.	Stack Base Elevation (feet)	Stack Discharge Height Above Ground Level (feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)	Horizontal Datum (NAD27, NAD83, WGS84)	UTM Zone (12 or 13)	UTM Easting or Longitude (meters or degrees)	UTM Northing or Latitude (meters or degrees)	Method of Collection for Location Data (e.g. map, GPS, GoogleEarth)

Direction of stack outlet (**check one**): ☐ Vertical ☐ Vertical with obstructing raincap ☐ Horizontal ☐ Down ☐ Other (Describe): \_\_\_\_\_

Exhaust Opening Shape & Size (**check one**): ☐ Circular: Inner Diameter (inches) = \_\_\_\_\_ ☐ Other: Length (inches) = \_\_\_\_\_ Width (inches) = \_\_\_\_\_

## Section 06 – Fuel Consumption Information

Fuel Type	Fuel Use Rate @ 100% load (SCF/hr, gal/hr)	Annual Fuel Consumption (gal/yr or MMSCF/yr)		Fuel Heating Value (Btu/lb, Btu/gal, Btu/SCF)	Sulfur Content (% wt.)	Seasonal Fuel Use (% of Annual Use)			
		Actual Reported for Calendar Year	Requested Permit Limit			Dec-Feb	Mar-May	Jun-Aug	Sep-Nov

Is this engine equipped with an Air/Fuel ratio controller? ☐ Yes ☐ No

## Section 07 – Emissions Inventory Information & Emission Control Information

☐ Emission Factor Documentation attached

Data year for actual calendar yr. emissions below & fuel use above (e.g. 2007):

Pollutant	Control Device Description		Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions <sup>1</sup>		Requested Permitted Emissions		Estimation Method or Emission Factor Source
	Primary	Secondary		Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
TSP										
PM <sub>10</sub>										
PM <sub>2.5</sub>										
SO <sub>x</sub>										
NO <sub>x</sub>										
VOC										
CO										
Formaldehyde										
Acetaldehyde										
Acrolein										
Benzene										

**Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.**

<sup>1</sup> Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

**Section 08 –Applicant Certification** - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct. If this is a registration for coverage under general permit GP02, I further certify that this source is and will be operated in full compliance with each condition of general permit GP02.

Signature of Person Legally Authorized to Supply Data

Date

Name of Legally Authorized Person (Please print)

Title